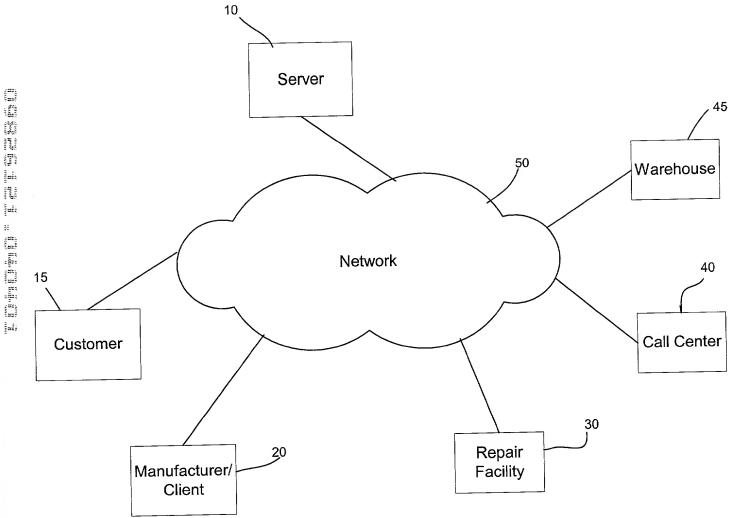
Lee et al. Sheet 1/22

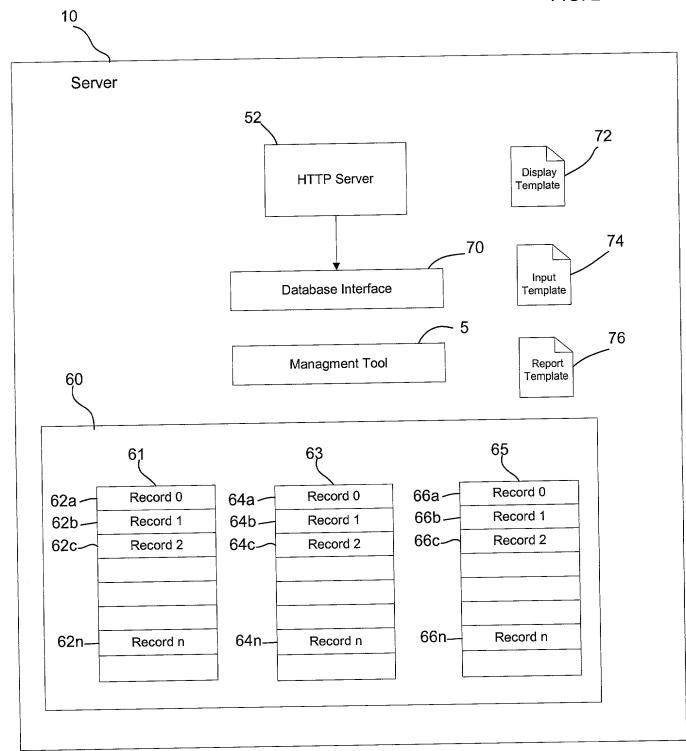
FIG. 1



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FIG. 2



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# Lee et al. Sheet 3/22

FIG. 3

# Record 62

110	112	114	116	118	120	122	124	126	128
Record ID	Customer ID Info	Purchase Info	Call History	Customer Modification History	Return Info	Credit Card Info	E-mail Correpondence	Warranty Info	Shipping Info

# Record 64

140	142 1	44	146	148
Record ID	User ID Info	Problem codes	Resolution codes	E-mail Templates

# Record 66

150	152 1	54	156 \	158	160	162	164
Record ID	Product Info	Location	Quantity	Order Info	Invoice Info	Low-level Indicator	Product Modification History

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FIG. 4

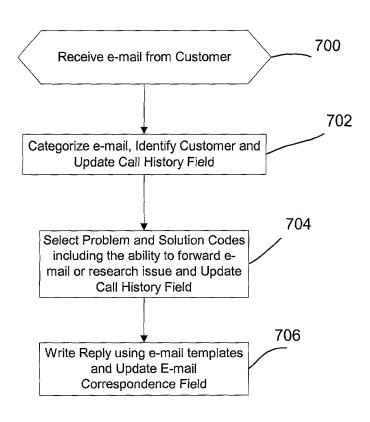
Lee et al. Sheet 5/22 FIG. 5 500. HTTP Server receives request for a customer record 504 502 NO Database interface program called existing to access input template and build record? HTML input page YES 506 508 Database interface program called Input Customer Information and to access display template and Create New Customer Record build HTML display page 510 Database interface program queries database for customer record 526 See House 512 Input new Product Information Insert accessed record information and Update Purchase Info and into one or more linked display Customer Modification History pages; return to requesting Fields computer. 514 524 YES YES (purchase info) change (customer) Database interface program record? called to access input template and build HTML input page NO 518 522 520 Input new Customer Information is relevant NO and Update Customer ID Info and Add New Product product info **Customer Modification History** Information listed? Fields YES 528 Select Call Issue and Create Ticket 530 Select Solution Code and Make Notes; Update Call History Field 532 Give Customer **Process Credit** Go to RMA Go to Warranty Card Transaction Logic of Fig. 6, Information Logic of Fig. 6, 538 534 536

Lee et al. Sheet 6/22

FIG. 6 600 HTTP Server receives request to access RMA or Warranty module 602 Database interface program called to access display template and build HTML display page 604 Database interface program queries database for customer record 612 606 Insert accessed record information Input RMA/Warranty Information including RMA or Warranty and Update RMA or Warranty and information into one or more linked **Customer Modification History** display pages; return to requesting Fields computer. 610 608 YES Database interface program called add or update RMA to access input template and build Warranty field? HTML input page NO 614 End RMA/Warranty Module

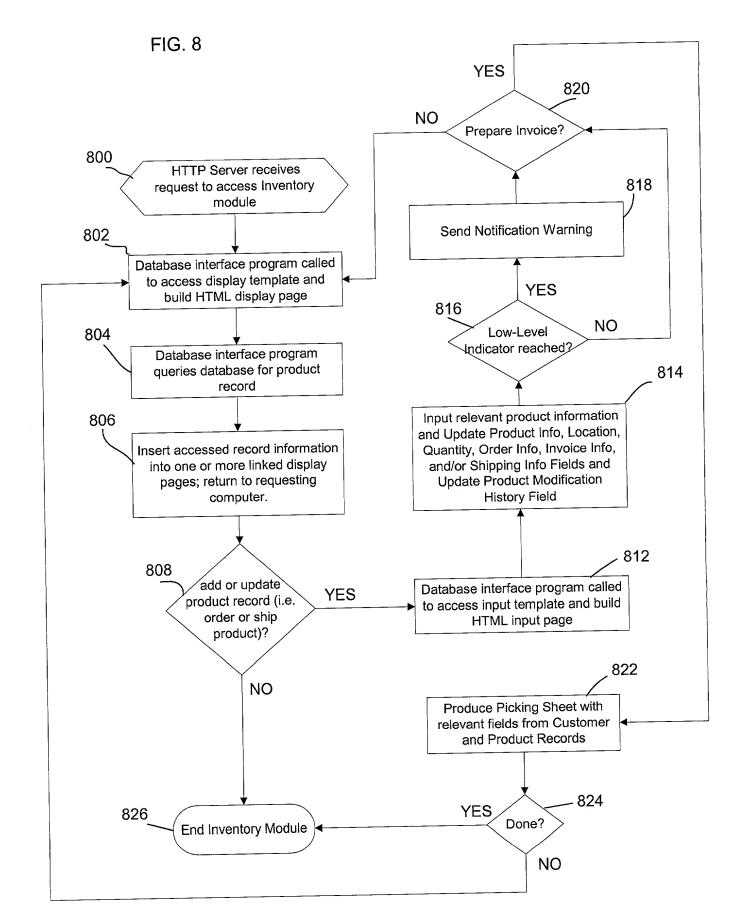


FIG. 7



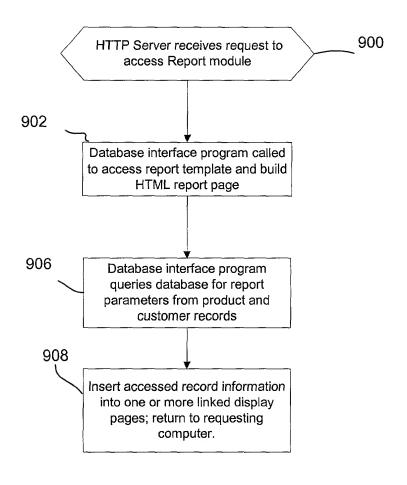


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FIG. 9

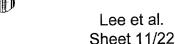


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# Lee et al. Sheet 10/22

FIG. 10

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# FIG. 11A

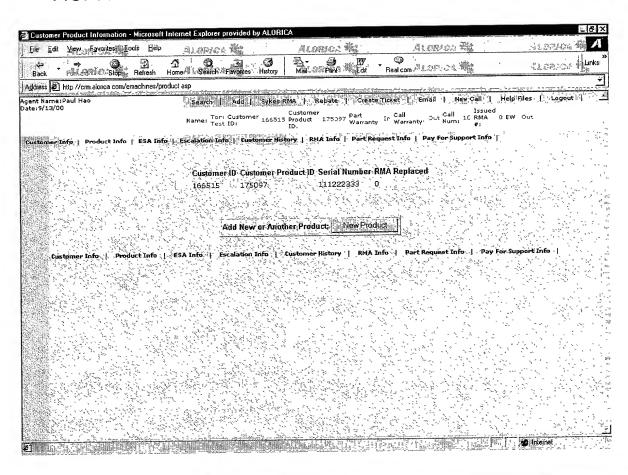
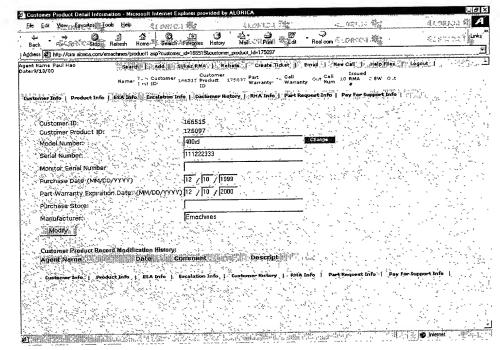
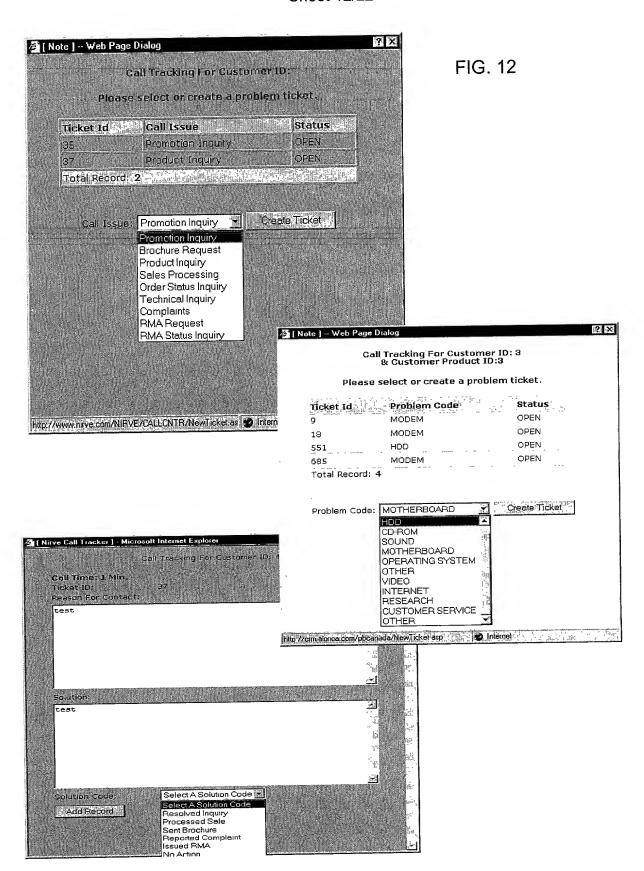


FIG. 11B





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# Lee et al. Sheet 13/22

FIG. 13

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### FIG. 14A

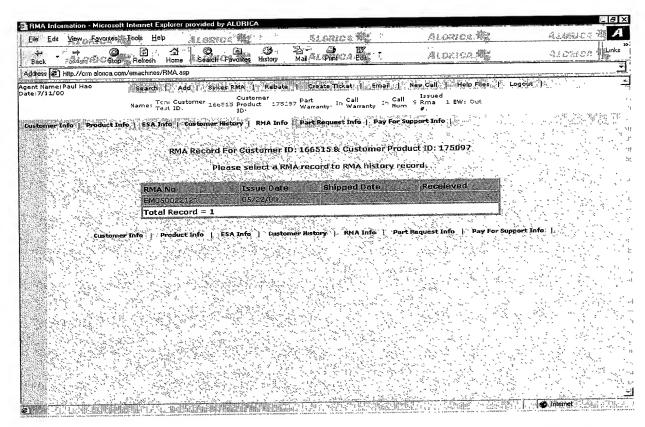
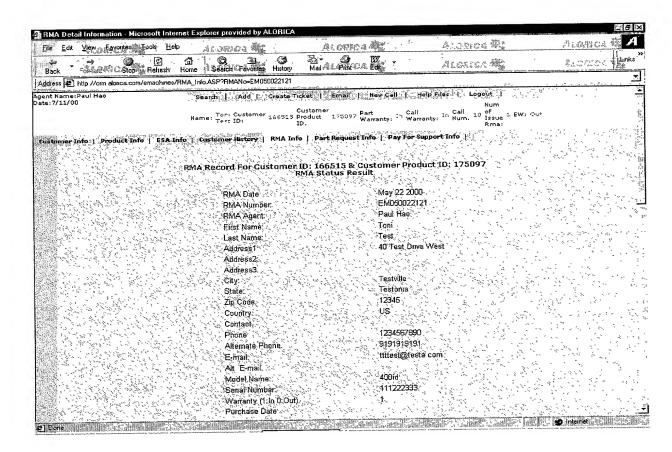


FIG. 14B





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FIG. 15A

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FIG. 15B

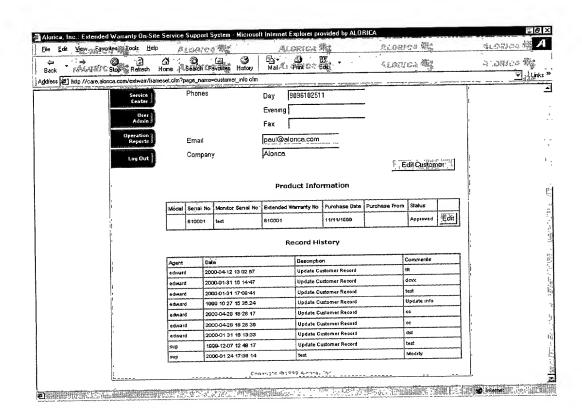
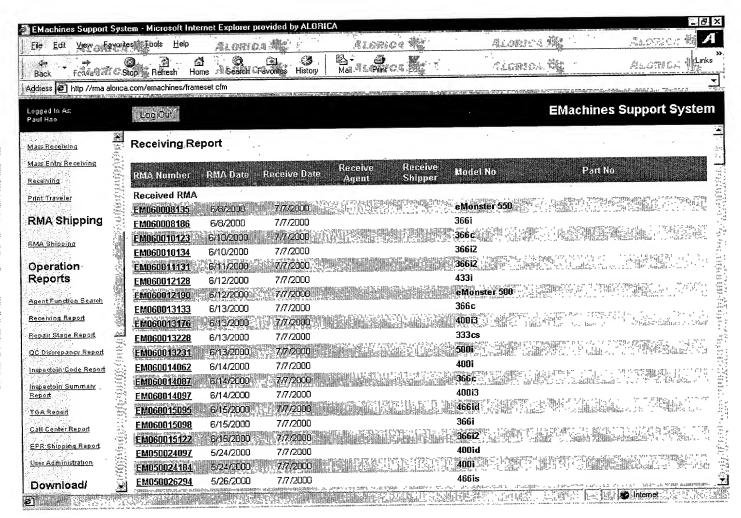




FIG. 16





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FIG. 17A

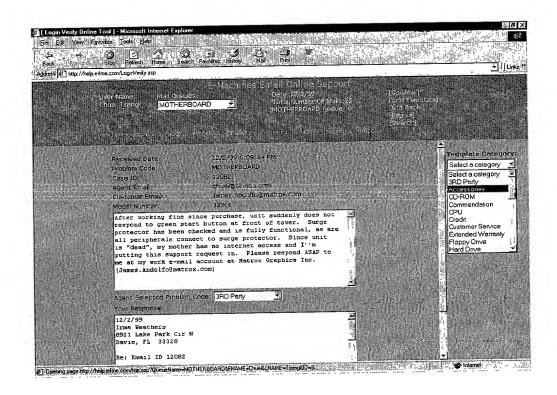
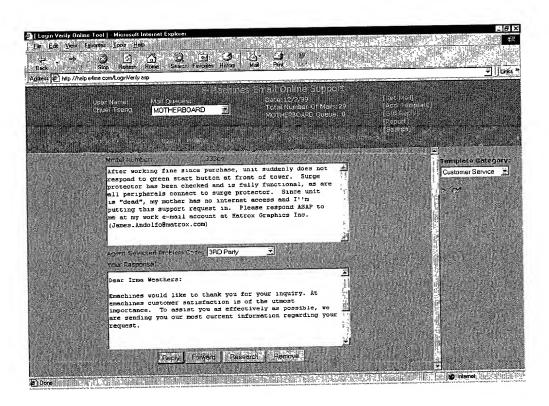


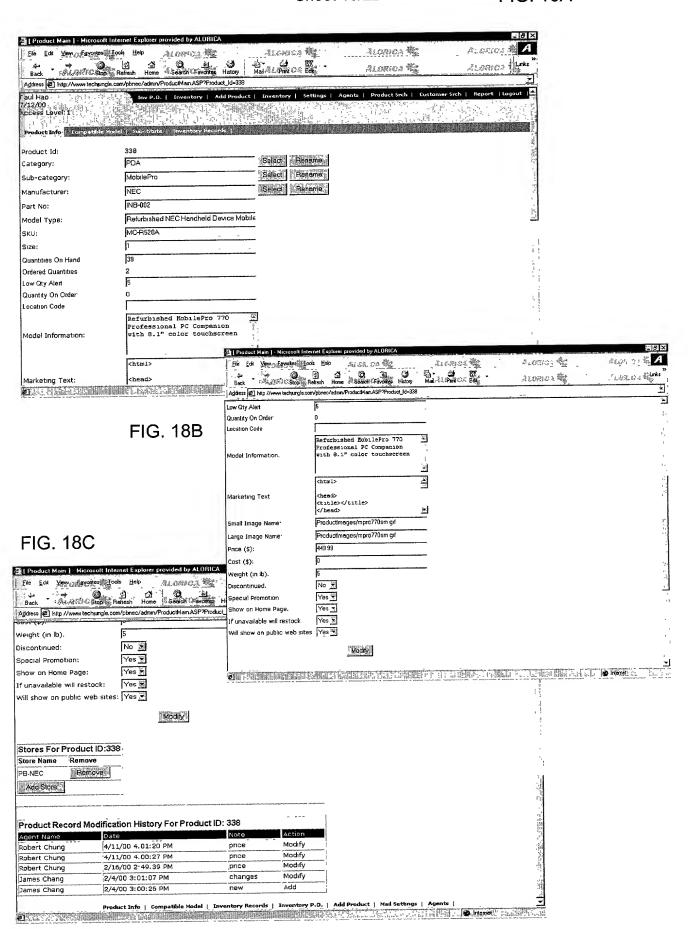
FIG. 17B



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FIG. 19A

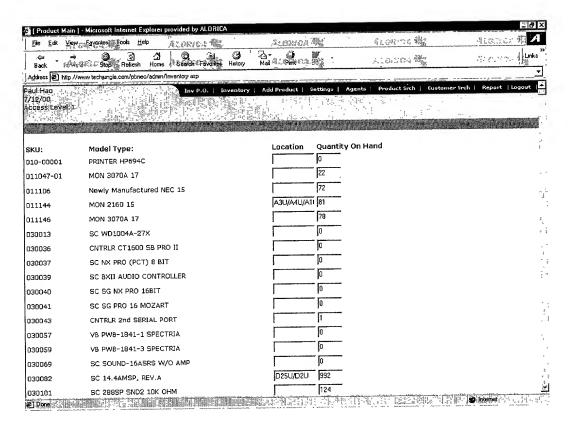
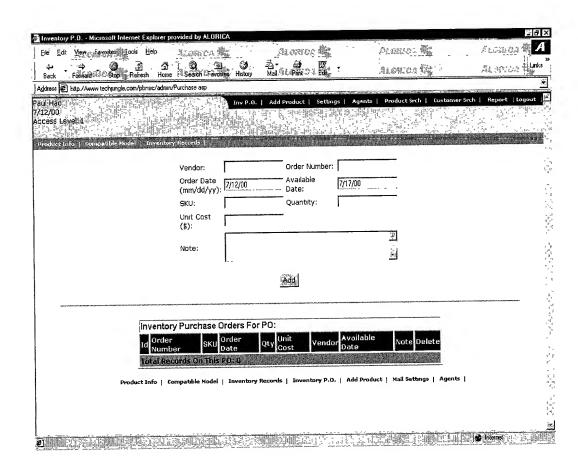


FIG. 19B



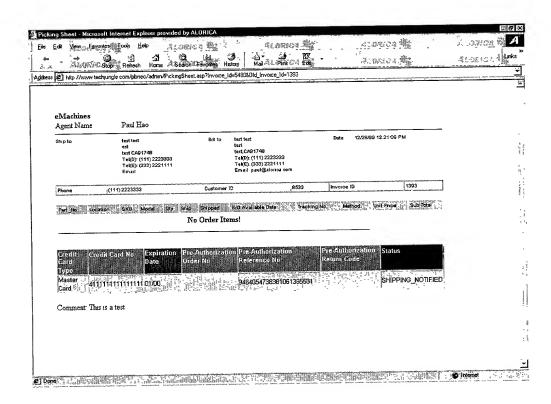


## Lee et al. Sheet 20/22

FIG. 20A

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FIG. 20B



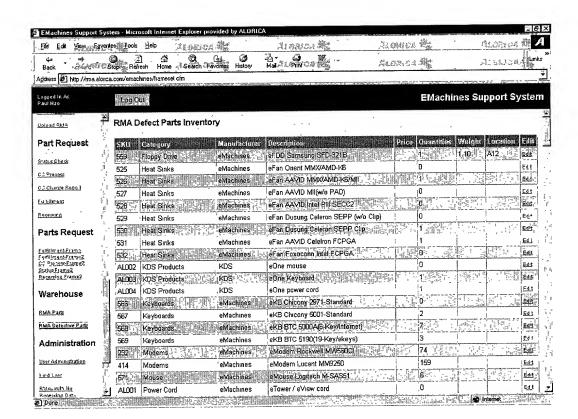


## Lee et al. Sheet 21/22

FIG. 21A

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FIG. 21B





#### Lee et al. Sheet 22/22

FIG. 22A

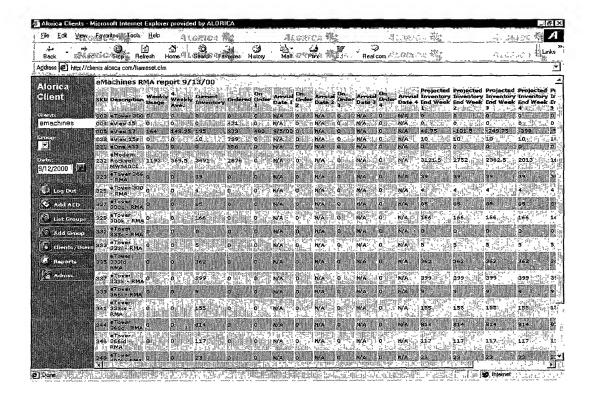


FIG. 22B

